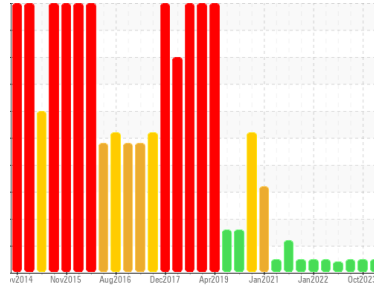


OIL ANALYSIS REPORT



Area
KEMP QUARRIES / RIVER VALLEY BACKBONE
Machine Id
WL088
Component
Rear Differential
Fluid
MOBIL MOBILTRANS HD 50 (--- GAL)

Sample Rating Trend



NORMAL



DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. (Customer Sample Comment: Hour meter 6716)

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	PCA0084826	PCA0084900	PCA0085867
Sample Date	Client Info	10 Nov 2023	02 Oct 2023	09 Aug 2023
Machine Age	hrs	6716	36443	6146
Oil Age	hrs	900	600	300
Oil Changed	Client Info	Not Changed	Not Changed	Not Changed
Sample Status		NORMAL	NORMAL	NORMAL

CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >.2	NEG	NEG	NEG

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >500	21	18	17
Chromium	ppm ASTM D5185m >3	<1	<1	<1
Nickel	ppm ASTM D5185m >3	<1	<1	0
Titanium	ppm ASTM D5185m >2	<1	<1	<1
Silver	ppm ASTM D5185m >2	0	0	0
Aluminum	ppm ASTM D5185m >30	2	0	2
Lead	ppm ASTM D5185m >13	<1	<1	<1
Copper	ppm ASTM D5185m >103	4	3	2
Tin	ppm ASTM D5185m >5	0	<1	0
Vanadium	ppm ASTM D5185m	0	0	0
Cadmium	ppm ASTM D5185m	<1	0	0

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	0	0	0
Barium	ppm ASTM D5185m	0	1	0
Molybdenum	ppm ASTM D5185m	2	1	<1
Manganese	ppm ASTM D5185m	<1	<1	0
Magnesium	ppm ASTM D5185m	22	16	10
Calcium	ppm ASTM D5185m	1012	1146	1419
Phosphorus	ppm ASTM D5185m	601	593	653
Zinc	ppm ASTM D5185m	742	772	817
Sulfur	ppm ASTM D5185m	2261	2778	2692

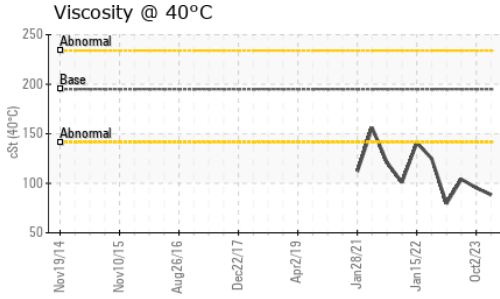
CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >100	8	9	10
Sodium	ppm ASTM D5185m	0	0	0
Potassium	ppm ASTM D5185m >20	1	1	<1

VISUAL

method	limit/base	current	history1	history2
White Metal	scalar *Visual NONE	NONE	NONE	NONE
Yellow Metal	scalar *Visual NONE	NONE	NONE	MODER
Precipitate	scalar *Visual NONE	NONE	NONE	NONE
Silt	scalar *Visual NONE	NONE	NONE	NONE
Debris	scalar *Visual NONE	NONE	NONE	NONE
Sand/Dirt	scalar *Visual NONE	NONE	NONE	NONE
Appearance	scalar *Visual NORML	NORML	NORML	NORML
Odor	scalar *Visual NORML	NORML	NORML	NORML
Emulsified Water	scalar *Visual >.2	NEG	NEG	NEG
Free Water	scalar *Visual	NEG	NEG	NEG

OIL ANALYSIS REPORT



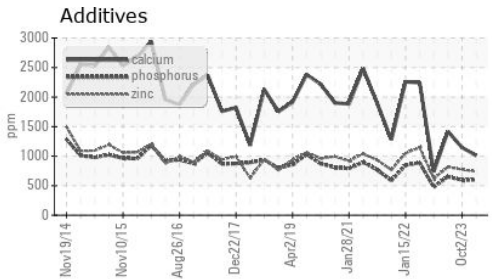
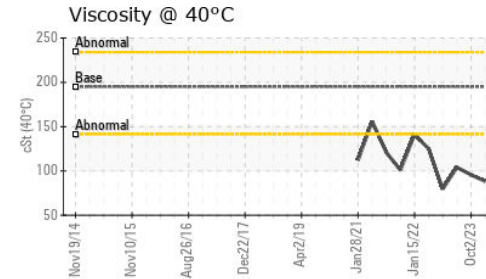
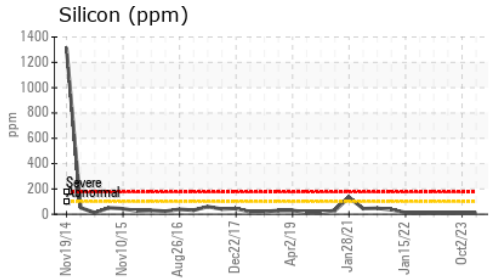
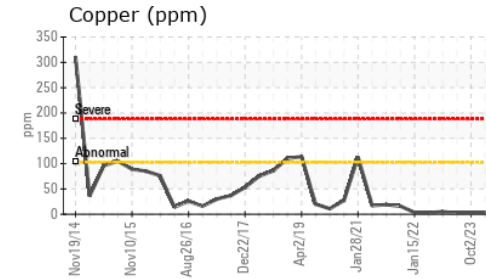
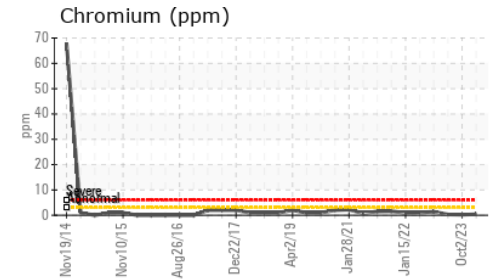
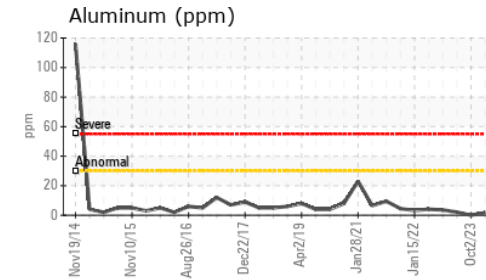
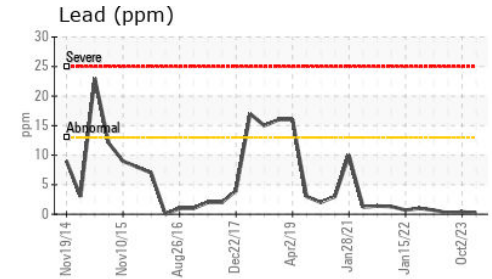
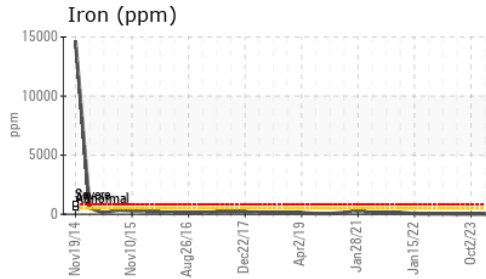
FLUID PROPERTIES

method	limit/base	current	history1	history2	
Visc @ 40°C	cSt ASTM D445	195	88.3	95.6	104

SAMPLE IMAGES

method	limit/base	current	history1	history2	
Color			no image	no image	no image
Bottom			no image	no image	no image

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0084826 **Received** : 21 Nov 2023
Lab Number : **06014673** **Diagnosed** : 24 Nov 2023
Unique Number : 10753817 **Diagnostician** : Don Baldrige
Test Package : MOB 1

Kemp Quarries - River Valley - Backbone
 5600 S Hwy 253
 Huntington, AR
 US 72940

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Contact: backbone@rivervalleyquarries.com

T:
F: